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P. O. Box 1000  
Richland, WA 99352

W5CF20030470

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**FLUOR**

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**Memorandum**

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T4180-SLF-03-022

To: S. Trent A0-21 Date: June 27, 2003

From: S. L. Fitzgerald *SLF* S3-30 Telephone: 373-7495

cc: T. F. Dale S3-28  
M. Neely S3-30  
LB/ File

Subject: BORON CONTROL LIMITS CORRECTION

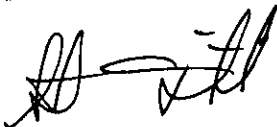
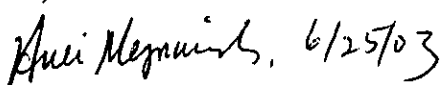
WSCF recently discovered an error in the control limits established in our LIMS database for your project. The analysis in question was Boron by ICP for the solid matrix. The original limits were 52.0 to 84.2%. They have now been corrected to 80 to 120 %. No actual standard recoveries were impacted by this change. The limits in our LIMS database have been updated for all data previously released to your program as well. The following sample delivery groups were updated: 20030459, 20030460, 20030461, 20030470, 20030492, 20030515, 20030524, 20030588, 20030598 and 20030613. This memo provides notice of the change in these batches. The hard copy of these reports will not be reissued.

For your information, a copy of the problem report addressing this issue is attached.

dtb



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AUG 11 2003  
**EDMC**

PROBLEM REPORT	
<b>Initiator/Date</b>  Scot Fitzgerald, 6/18/03	<b>Problem Report Number</b>  2003-005
<b>Problem (Including violated requirements)</b> The @ICP-GPP Boron LCS percent recovery control limits were incorrect (52.0 to 84.2%). Several data reports were issued with the incorrect control limits.	
<b>Probable Cause:</b> The chemist submitted the Boron STD recovery range as a concentration rather than a percent range. The LIMS administrator entered the concentration values as percent recovery values.	
<b>Samples Affected:</b> The actual LCS recoveries were not effected.	<b>Client Notification Required?</b> Yes (Completed)
<b>Corrective Action Plan (Including schedule for completion)</b> <ol style="list-style-type: none"> <li>1. Correct LCS recovery limits in LABCORE and in the LABCORE QC History table (Completed on 6/13/03)</li> <li>2. Per customer agreement, issue memo outlining the control limit change and listing the effected sample delivery groups (Estimated completion 6/26/03)</li> </ol>	
<b>Affected Records Corrected?</b> (logbook, worksheet, etc.) LABCORE corrected.	<b>Corrected Report Issued?</b> Per customer agreement, a memo will be issued outlining the corrections.
<b>Manager or Team Leader Concurs (Signature / date)</b>  6/25/03	<b>QA Coordinator Concurs (Signature / date)</b>  6/25/03
<b>Progress Report - attach additional pages if necessary</b>	
<b>Completion (Manager or team leader signature/ date)</b>	<b>PR Closure (QA Coordinator signature date)</b>